

A system for generating waveforms may include a memory configured to store a plurality of waveform segments, a plurality of waveform segment queues each coupled to receive waveform segments output by the memory, and a selection unit coupled to each of the waveform segment queues and configured to read waveform segments out of a selected one of the waveform segment queues. Each of the waveform segment queues may be configured to store a series of one or more waveform segments. The selection unit may be configured to access the first waveform segment queue during a first time period and to access the second waveform segment queue if a first trigger occurs.

[illegible]